

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067672.D
 Acq On : 17 Nov 2020 19:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 10:50:21 AM

Quant Time: Nov 18 01:11:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	274682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	419696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	384403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190513	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	108686	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
35) Dibromofluoromethane	7.92	113	113293	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
50) Toluene-d8	10.34	98	388920	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
62) 4-Bromofluorobenzene	12.64	95	139715	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	104527	46.712	ug/l	96
3) Chloromethane	2.21	50	69688	40.741	ug/l	98
4) Vinyl Chloride	2.35	62	77289	40.528	ug/l	97
5) Bromomethane	2.77	94	71478	46.243	ug/l	100
6) Chloroethane	2.93	64	50408	42.874	ug/l	97
7) Trichlorofluoromethane	3.28	101	233857	47.360	ug/l	90
8) Diethyl Ether	3.71	74	49649	49.900	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	119944	48.122	ug/l	97
10) Methyl Iodide	4.31	142	138659	51.905	ug/l	99
11) Tert butyl alcohol	5.22	59	27928	271.572	ug/l	97
12) 1,1-Dichloroethene	4.07	96	112834	49.216	ug/l	99
13) Acrolein	3.93	56	23803	226.313	ug/l	94
14) Allyl chloride	4.72	41	115399	47.031	ug/l	94
15) Acrylonitrile	5.42	53	90867	247.060	ug/l	99
16) Acetone	4.16	43	78036	217.120	ug/l	95
17) Carbon Disulfide	4.41	76	309120	44.001	ug/l	98
18) Methyl Acetate	4.72	43	36394	49.001	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	238968	52.843	ug/l	92
20) Methylene Chloride	4.97	84	128093	50.453	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	130539	48.885	ug/l	94
22) Diisopropyl ether	6.36	45	246297	51.510	ug/l	96
23) Vinyl Acetate	6.31	43	648071	258.926	ug/l	99
24) 1,1-Dichloroethane	6.27	63	197217	50.416	ug/l	98
25) 2-Butanone	7.21	43	94762	246.748	ug/l	97
26) 2,2-Dichloropropane	7.21	77	210074	50.884	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	144435	52.111	ug/l	99
28) Bromochloromethane	7.55	49	68579	49.287	ug/l	95
29) Tetrahydrofuran	7.56	42	56852	247.135	ug/l	97
30) Chloroform	7.71	83	245165	52.535	ug/l	97
31) Cyclohexane	7.99	56	149774	42.995	ug/l	# 88
32) 1,1,1-Trichloroethane	7.91	97	243600	50.591	ug/l	99
36) 1,1-Dichloropropene	8.11	75	171952	47.864	ug/l	99
37) Ethyl Acetate	7.30	43	42312	45.366	ug/l	98
38) Carbon Tetrachloride	8.10	117	238999	51.203	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	202670	47.932	ug/l	96
40) Benzene	8.36	78	483705	49.706	ug/l	98
41) Methacrylonitrile	7.53	41	24977	44.801	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	155317	51.658	ug/l	97
43) Isopropyl Acetate	8.46	43	87870	47.637	ug/l	98
44) Trichloroethene	9.12	130	156253	48.833	ug/l	92
45) 1,2-Dichloropropane	9.40	63	103810	49.340	ug/l	93
46) Dibromomethane	9.48	93	65529	48.984	ug/l	96
47) Bromodichloromethane	9.67	83	189148	52.020	ug/l	98
48) Methyl methacrylate	9.46	41	43397	45.566	ug/l	90
49) 1,4-Dioxane	9.46	88	13311	980.147	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	221757	251.377	ug/l	98
52) Toluene	10.41	92	334782	51.363	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161939	52.001	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	189632	51.253	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	91096	51.466	ug/l	99
56) Ethyl methacrylate	10.67	69	91741	50.191	ug/l	98
57) 1,3-Dichloropropane	10.95	76	146659	51.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	212884	249.752	ug/l	98
59) 2-Hexanone	10.99	43	149632	242.589	ug/l	99
60) Dibromochloromethane	11.14	129	136404	52.095	ug/l	99
61) 1,2-Dibromoethane	11.25	107	88209	49.654	ug/l	97
64) Tetrachloroethene	10.88	164	139365	48.954	ug/l	97
65) Chlorobenzene	11.67	112	381721	51.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	152478	52.247	ug/l	99
67) Ethyl Benzene	11.75	91	652682	51.511	ug/l	98
68) m/p-Xylenes	11.86	106	507708	102.994	ug/l	100
69) o-Xylene	12.18	106	236138	53.653	ug/l	98
70) Styrene	12.20	104	407758	53.169	ug/l	99
71) Bromoform	12.37	173	75354	50.627	ug/l #	98
73) Isopropylbenzene	12.48	105	657517	53.402	ug/l	100
74) N-amyl acetate	12.30	43	78672	48.559	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	82526	49.153	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	68801m	59.864	ug/l	
77) Bromobenzene	12.77	156	157890	52.216	ug/l	97
78) n-propylbenzene	12.83	91	736642	52.306	ug/l	99
79) 2-Chlorotoluene	12.91	91	426150	53.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	575422	54.709	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27013	47.720	ug/l	94
82) 4-Chlorotoluene	13.01	91	459834	53.593	ug/l	99
83) tert-Butylbenzene	13.23	119	482749	54.156	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	574063	54.831	ug/l	99
85) sec-Butylbenzene	13.41	105	638710	53.077	ug/l	99
86) p-Isopropyltoluene	13.52	119	613740	52.816	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	301307	52.221	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	295615	50.599	ug/l	98
89) n-Butylbenzene	13.85	91	528161	52.620	ug/l	99
90) Hexachloroethane	14.11	117	111039	50.742	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	261473	52.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15092	50.770	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182110	53.732	ug/l	99
94) Hexachlorobutadiene	15.27	225	117174	51.657	ug/l	98
95) Naphthalene	15.41	128	282051	53.925	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	153762	52.979	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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